

ABSTRACT OF DISCLOSURE

A propelling transmission control apparatus for a working vehicle having a hydrostatic stepless transmission comprises a variable displacement type hydraulic pump (35), a change speed control mechanism (80) for converting a displacement of a control device (55) to a control displacement for varying a swash plate angle of the hydraulic pump, a main hydraulic motor (36) and an auxiliary hydraulic motor (37) connected in series to the hydraulic pump. The main hydraulic pump (36) is a fixed displacement type having a fixed swash plate angle, while the auxiliary hydraulic motor (37) is a variable displacement type having a variable swash plate angle. A common output shaft is provided for receiving rotational output from the main and auxiliary motors. The apparatus further comprises a control piston (35) for varying the swash plate angle of the auxiliary hydraulic motor, the control piston being connected to a pressure oil supply line (39) for supplying the main and auxiliary hydraulic motors with pressure oil. The control piston (38) is operable to vary the swash plate angle of the auxiliary hydraulic motor (37) such that the auxiliary hydraulic motor (37) has an increased volume with a pressure increase applied to the control piston (38).